



Shape Corp EDI and Labeling Guidelines

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Introduction

This document enables the supplier to control their process and save time by limiting back and forth with Shape Corp’s EDI and Labeling support.

Guidelines Included:

- The header and the structure of EDI message (X12 standard compliance)
- The data coherence between the EDI message, and the AIAG container labels
- The structure of the AIAG label combined with Shape Corp’s unique labeling requirements

For EDI on-boarding, it is asked to the suppliers to check each item and to record the results in the forms below. This completed form should be submitted by each supplier as part of the EDI on-boarding process (EDI message and labels).

When submitting this form to Shape Corp, the following documents will be required:

- One email message to ediadmin@shapecorp.com containing...
 - (1) One completed copy of the Supplier EDI & Labeling Guidelines document.
 - (2) One text only version of the test ASN
 - (3) Two shipping label examples from the test shipment
- One traditional test ASN message transmission via the established EDI communication channel

Please note; **this is not an EDI specification document**. Rather, this document is intended serve as an EDI and labeling guideline for suppliers. As described above, this document is also used to verify EDI readiness before a supplier is approved for EDI.

For the convenience of our suppliers, we have made our EDI specification documents available on our website at www.shapecorp.com.

SECTION 1 - TO BE COMPLETED BY THE SUPPLIER

Supplier Name: _____

Supplier Contact: _____

Contact Number: _____

Contact E-Mail: _____



SECTION 2 - TO BE COMPLETED BY THE SUPPLIER

2. Checking the ASN

2.1 Introduction

The table below lists the fields to control in the 856 message. When submitting this form for EDI testing, please write “OK” or “NOK” in the corresponding cell. In case of “NOK”, explain the precise reason in the “Remarks” column.

The column “Mandatory Y/N” indicates the mandatory data. In some cases, suppliers may be required to submit non-mandatory data in the ASN. Shape Corp reserves the right to require non-mandatory elements on a case by case basis.

Example

Within the “ISA”, the following data must be present:

- The supplier’s EDI identifier
- Shape’s EDI identifier
- The file (interchange) date
- The interchange number (associated with the IEA segment)

2.2 Segments Description and Sequence

Text in blue indicates Shape’s specific requirements

856 Segments		Mandatory Y/N	Conform OK/NOK		Remarks
			Supp	Shape	
Header					
ISA	Supplier’s EDI Identifier	Y			
	Shape’s EDI identifier	Y			
	File Date	Y			
	Interchange Number, to match with IEA	Y			
	For testing ISA-15 must be equal to ‘T’, For production ISA-15 must be equal to	Y			
GS	Message number (to match with GE) Message/ Document version : 004010	Y			
BSN	Shipper Number BSN01 must be equal to '00'	Y			
	Date must match ISA and BSN	Y			
DTM*011	Delivery Shipping Date	Y			
	Date expressed as CCYYMMDD Time expressed as HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD	Y			



Shape Corp EDI and Labeling Guidelines

856 Segments		Mandatory Y/ N	Conform OK/ NOK		Remarks
			Supp	Shape	
MEA*WT*G	Gross or total weight, unit: LB or KG = sum of gross weights of all UM	Y			
MEA*WT*N	Net weight, unit: LB or = sum of net weights of all UM	Optional			
TD1	Packaging type TD1-02 = Number of packages of the type specified in TD1-01	Y			
TD5	Carrier details SCAC / Transportation Method	Y			
TD3	Carrier details Equipment Description Code / Equipment Number	Y			
N1*ST**	Ship to location Transmitted on N1*ST line 04 of 830	Y			
N1*SF**	Ship from location Transmitted on N1*SF line 04 of 830	Y			
Loop Segments					
HL	HL-03 must equal 'T' for master/mixed serial numbers	Conditional			
	Item level HL-02 must equal Tare level HL-01 for any containers on the related master/mixed label	Conditional			
LIN**BP	LIN-03 = Shape part number Transmitted on LIN line 03 of 830	Y			
	LIN-07 = Engineering Change Level Transmitted on LIN line 05 of 830	Y			
CLD	CLD-01 = Number of following REF*LS segments	Y			
	CLD-02 = Number of pcs defined by each following REF*LS segment	Y			
PRF	Purchase Order Number	Y			
REF	Container Identification Number (serial number) matches between ASN and	Y			
	REF*LS-02 Container Serial Number Must be unique	Y			
	Serial numbers must use the predefined three character supplier prefix. Example: If prefix is XYZ and supplier's internal serial number is 123456, serial number should be XYZ123456.	Y			
	One REF*LS segment for each container defined by the proceeding CLD segment	Y			
	Master/mixed serial numbers not longer than 10 characters	Conditional			
	REF*HC-02 = Heat Number	Conditional			
SE	SE-01 = Number of lines between and including ST and SE SE-02 = ST-02	Y			
GE	Transaction counter to match GS	Y			
IEA	Interchange Number, to match with ISA	Y			



SECTION 3 - TO BE COMPLETED BY THE SUPPLIER

3. Checking the AIAG container label

3.1 Introduction

Shape Corp asks its suppliers to use standard 4 x 6 AIAG container labels. All labels must meet the standard as provided in AIAG B-10 Trading Partner Label definition dated 5/95.

In most cases, Shape requires container labels for each container unit. Different label formats may be discussed and agreed upon in advance with Shape Corp logistics. If the use of master or mixed labels has been arranged, the corresponding label test forms will need to be filled out as well. (See pages 7 and 8)






It is recommended that suppliers test using standard AIAG formatted labels.

Shape may grant concessions allowing the supplier to use a different label format other than what is specified in this document if needed or required by our customers. If a subcontract supplier ships directly to our end customer, the end customer’s labeling requirements apply.

Data below corresponds to Shape Corp’s requirements and are thus more restrictive than the AIAG standard.

Each lot serial number may be used no more than once. Serial numbers must be alphanumeric (no spaces).

3.2 Example Label

PART NO (P) 202359-20 			
QUANTITY (Q) 100 	Description SHAPE PART DESCRIPTION		
	MFG DATE 9/26/2013	REV 05	SUPPLIER PART FAL-8493-RAL24
SUPPLIER (V) SUPPCODE 		HEAT NUMBER (1T) 717F9225J 	
SERIAL (S) ABC2813653 		[Space Reserved For Supplier Use]	



Shape Corp EDI and Labeling Guidelines

3.3 Labeling Field Descriptions

The tables below list out the fields to control on the AIAG Container Label.

For supplier EDI testing, write “OK” or “NOK” in the corresponding cell. In case of “NOK”, explain the precise reason in the “Remarks” column.

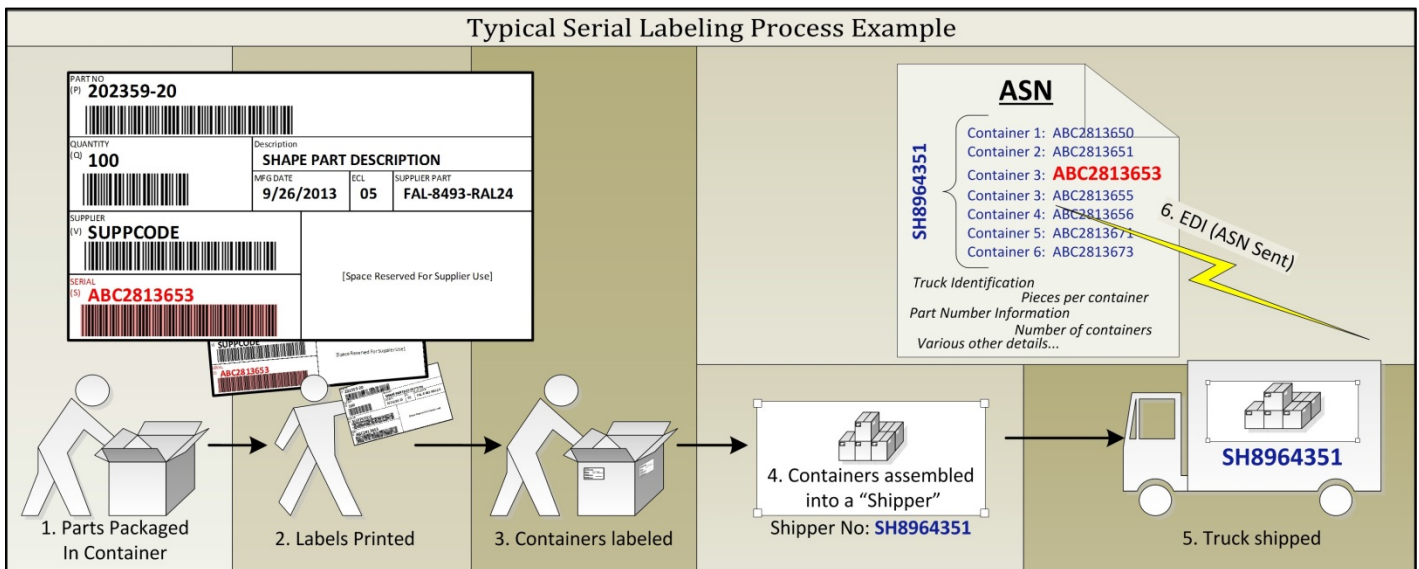
The column “Mandatory Y/N” indicates the mandatory data. In some cases, suppliers may be required to submit non-mandatory data in the ASN. Shape Corp reserves the right to require non-mandatory elements on a case by case basis

For **component** shipments and shipments that do not contain raw materials, the labels must contain the following information:

Container Shipping Labels								
Field Description		Bar Code Mandatory	Bar Code Prefix	Bar Code Format	Text Mandatory	Conform OK/NOK		Remarks
		Y / N			Y / N	Supp	Shape	
Supplier Name		No			Optional			
Supplier Address		No			Optional			
Supplier Code		Optional	V	3 of 9	Optional			
Part Number	856 LIN-03	Yes	P	3 of 9	Yes			
PartRevision	830 LIN-05 856 LIN-07	No			Yes			
Part Description <i>Item description from Purchase Order</i>	830 PID-05	No			Yes			
Quantity	856 CLD-02	Yes	Q	3 of 9	Yes			
Lot/Serial Number	856 REF-02	Yes	S	3 of 9	Yes			
Shipper Number	856 BSN-02	Optional			Optional			
Date <i>Must be Manufacturing Date or Shipping Date</i>	856 DTM*011 <i>When ship date is used</i>	No			Yes			
Destination Location <i>Ship-to Address</i>	830 N1*ST-01, N3, N4	No			Optional			

For **raw material** shipments such as steel coils and resin, the labels must contain the following information:

Raw Material Shipping Labels								
Field Description		Bar Code Mandatory	Bar Code Prefix	Bar Code Format	Text Mandatory	Conform OK/NOK		Remarks
		Y / N			Y / N	Supp	Shape	
Supplier Name		No			Optional			
Supplier Address		No			Optional			
Supplier Code		Optional	V	3 of 9	Optional			
Part Number	856 LIN-03	Yes	P	3 of 9	Yes			
PartRevision	856/830 LIN-05	No			Yes			
Part Description <i>Item description from Purchase Order</i>	830 PID-05	No			Yes			
Actual Weight	856 CLD-02	Yes	2Q	3 of 9	Yes			
Lot/Serial Number	856 REF-02	Yes	S	3 of 9	Yes			
Heat Number	856 REF*HC-02	Yes	1T	3 of 9	Yes			
Shipper Number	856 BSN-02	Optional			Optional			
Date <i>Must be Manufacturing Date or Shipping Date</i>	856 DTM*011 <i>When ship date is used</i>	No			Yes			
Destination Location <i>Ship-to Address</i>	830 N1*ST-01, N3, N4	No			Optional			





Shape Corp EDI and Labeling Guidelines

MASTER LABEL			
PART NO (P) 202359-20		Nb. of Containers: 10	
QUANTITY (Q) 100	Description SHAPE PART DESCRIPTION		
	MFG DATE 9/26/2013	Rev 05	SUPPLIER PART FAL-8493-RAL24
SUPPLIER (V) SUPPCODE		[Space Reserved For Supplier Use]	
SERIAL (S) ABC2813653			

Master Shipping Labels							
Field Description	Bar Code Mandatory	Bar Code Prefix	Bar Code Format	Text Mandatory	Conform OK/NOK		Remarks
					Y / N	Y / N	
"Master Label" Heading	No			Yes			
Supplier Name	No			Optional			
Supplier Address	No			Optional			
Supplier Code	Optional	V	3 of 9	Optional			
Part Number	856 LIN-03 Yes	P	3 of 9	Yes			
Part Revision	830 LIN-05 856 LIN-07 No			Yes			
Part Description <i>Item description from Purchase Order</i>	830 PID-05 No			Yes			
Quantity	856 CLD-02 Yes	Q	3 of 9	Yes			
Number of Containers	No			Yes			
Lot/Serial Number	856 REF-02 Yes	S	3 of 9	Yes			
Shipper Number	856 BSN-02 Optional			Optional			
Date <i>Must be Manufacturing Date or Shipping Date</i>	856 DTM*011 When ship date is used No			Yes			
Destination Location <i>Ship-to Address</i>	830 N1*ST-01, N3, N4 No			Optional			



Shape Corp EDI and Labeling Guidelines

MIXED LABEL			
PART NO (P)		Nb. of Containers: 10	
QUANTITY (Q) 100	Description		
	MFG DATE 9/26/2013	Rev	SUPPLIER PART
SUPPLIER (V) SUPPCODE		[Space Reserved For Supplier Use]	
SERIAL (S) ABC2813653			

Mixed Shipping Labels								
Field Description		Bar Code Mandatory	Bar Code Prefix	Bar Code Format	Text Mandatory	Conform OK/NOK		Remarks
		Y / N			Y / N	Supp	Shape	
"Mixed Label" Heading		No			Yes			
Supplier Name		No			Optional			
Supplier Address		No			Optional			
Supplier Code		Optional	V	3 of 9	Optional			
Part Number	856 LIN-03	Optional	P	3 of 9	Optional			
Part Revision	830 LIN-05 856 LIN-07	No			Optional			
Part Description <i>Item description from Purchase Order</i>	830 PID-05	No			Optional			
Quantity	856 CLD-02	Yes	Q	3 of 9	Yes			
Number of Containers		No			Yes			
Lot/Serial Number	856 REF-02	Yes	S	3 of 9	Yes			
Shipper Number	856 BSN-02	Optional			Optional			
Date <i>Must be Manufacturing Date or Shipping Date</i>	856 DTM*011 <i>When ship date is used</i>	No			Yes			
Destination Location <i>Ship-to Address</i>	830 N1*ST-01, N3, N4	No			Optional			